Refrigerator
user manual

English

imagine the possibilities

Thank you for purchasing this Samsung product.
To receive more complete service, please register your product at

www.samsung.com/register

SAMSUNG

Free Standing Appliance

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features of your new refrigerator

KEY FEATURES OF YOUR NEW REFRIGERATOR

Your Samsung Refrigerator comes equipped with various innovative storage and energy-efficient features. Because these following operating instructions cover various models, the characteristics of your refrigerator may differ slightly from those described in this manual.

- **Energy A+**

  Save on energy consumption.

- **Direct Cooling**

  Store food in fresh conditions by Direct Cooling.

- **LED Lighting**

  Lower energy consumption, longer lifetime, small size.
  Especially, Samsung's LED Lighting brighten instantaneously inside fridge when you open the door, so you can see every corner.

- **Door Pocket in the freezer Area**

  You can store specific foods likes frozen cheeses in Door Pocket in the freezer Area.

CE Notice

This product has been determined to be in compliance with the Low Voltage Directive (2006/95/EC), the Electromagnetic Compatibility Directive (2004/108/EC) and Energy efficiency Directive (96/57/EC) of the European Union.

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For easy future reference, write the model and serial number down. You will find your model number on the left bottom side of the refrigerator.

Model #_____
Serial #_____

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safety information

SAFETY INFORMATION

- Before operating the appliance, please read this manual thoroughly and retain it at a safe place near the appliance for your future reference.
- Use this appliance only for its intended purpose as described in this instruction manual. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur. It is your responsibility to use common sense, caution, and care when installing, maintaining, and operating your appliance.
- Because these following operating instructions cover various models, the characteristics of your refrigerator may differ slightly from those described in this manual and not all warning signs may be applicable. If you have any questions or concerns, contact your nearest service center or find help and information online at www.samsung.com.

Important safety symbols and precautions:

WARNING	Hazards or unsafe practices that may result in **severe personal injury or death.**
CAUTION	Hazards or unsafe practices that may result in **minor personal injury or property damage.**

	Do NOT attempt.
	Do NOT disassemble.
	Do NOT touch.
	Follow directions carefully.
	Unplug the power plug from the wall socket.
	Make sure the machine is grounded to prevent electric shock.
	Call the contact center for help.
	Note.

These warning signs are here to prevent injury to you and others.
Please follow them carefully.
After reading this section, keep it in a safe place for future reference.

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safety information

⚠ WARNING SEVERE WARNING SIGNS FOR TRANSPORTATION AND SITE

- When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.
  - Refrigerant squirting out of the pipes could ignite or cause an eye injury. If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.
- In order to avoid the creation of a flammable gas-air mixture if a leak in the refrigerating circuit occurs, the size of the room in which the appliance may be sited depends on the amount of refrigerant used.
- Never start up an appliance showing any signs of damage. If in doubt, consult your dealer. The room where the refrigerator will be sited must be $1m^3$ in size for every 8g of R600a refrigerant inside the appliance. The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance.

⚠ WARNING SEVERE WARNING SIGNS FOR INSTALLATION

- Do not install the refrigerator in a damp place or place where it may come in contact with water.
  - Deteriorated insulation of electrical parts may cause an electric shock or fire.
- Do not place this refrigerator in direct sunlight or expose to the heat from stoves, room heaters or other appliance.
- Do not plug several appliances into the same multiple power board. The refrigerator should always be plugged into its own individual electrical which has a voltage rating that matched the rating plate.
  - This provides the best performance and also prevents overloading house wiring circuits, which could cause a fire hazard from overheated wires.
- If the wall socket is loose, do not insert the power plug.
  - There is a risk of electric shock of fire.
- Do not use a cord that shows cracks or abrasion damage along its length or at either end.
- Do not bend the power cord excessively or place heavy articles on it.
- Never unplug your refrigerator by pulling on the power cord. Always grip plug firmly and pull straight out from the outlet.
  - Damage to the cord may cause short-circuit, fire and/or electric shock.
- Do not use aerosols near the refrigerator.
  - Aerosols used near the refrigerator may cause an explosion or fire.

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- This refrigerator must be properly installed and located in accordance with the manual before it is used.
- After unpacking, keep the packing materials out of reach of children.
  - There is a risk of death from suffocation if children put them over their head.
- Connect the power plug in proper position with the cord hanging down.
  - If you connect the power plug upside down, wire can get cut off and cause fire or electric shock.
- Make sure that the power plug is not squashed or damaged by the back of the refrigerator.
- When moving the refrigerator, be careful not to roll over or damage the power cord.
  - This constitutes a fire hazard.
- The appliance must be positioned so that the plug is accessible after installation.

- The refrigerator must be grounded.
  - You must ground the refrigerator to prevent any power leakages or electric shocks caused by current leakage from the refrigerator.
- Never use gas pipes, telephone lines or other potential lightening rods as ground.
  - Improper use of the ground plug can result in electric shock.

- If the power cord is damaged, have it replaced immediately by the manufacturer or its service agent.
- The fuse on the refrigerator must be changed by a qualified technician or service company.
  - Failing to do so may result in electric shock or personal injury.

⚠ CAUTION SIGNS FOR INSTALLATION

- Allow sufficient space to install the refrigerator on a flat surface.
  - If your refrigerator is not level, the internal cooling system may not work correctly.
- Keep ventilation opening in the appliance enclosure or mounting structure clear of obstruction.
- Allow the appliance to stand for 2 hours after installation.

⚠ SEVERE WARNING SIGNS FOR USING

- Do not insert the power plug with wet hands.
- Do not store articles on the top of the appliance.
  - When you open or close the door, the articles may fall and cause personal injury and/or material damage.

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safety information

⚠ WARNING SEVERE WARNING SIGNS FOR USING (CONT'D)

- Do not put items filled with water on the refrigerator.
  - If spilled, there is a risk of fire or electric shock.
- Do not let children hang on the door.
  - Failure to do so may cause serious personal injury.
- Do not leave the doors of the refrigerator open while the refrigerator is unattended and do not let children enter inside of the refrigerator.
  - There is a risk of children entrapment and serious personal injury because of low temperature.
- Do not insert your hands into the bottom area under the appliance.
  - Any sharp edges may cause personal injury.
- Do not let children step on drawer's cover.
  - It may break and cause slip hazard.
- Do not overfill the refrigerator with food.
  - When you open the door, an item may fall out and cause personal injury or material damage.
- Do not store volatile or flammable substances such as benzene, thinner, alcohol, ether or LP gas in the refrigerator.
  - The storage of any of such products may cause explosions.
- Do not store low temperature-sensitive pharmaceuticals products, scientific materials or other low temperature-sensitive products in the refrigerator.
  - Products that require strict temperature controls must not be stored in the refrigerator.
- Do not place or use electrical appliance inside the refrigerator, unless they are of a type recommended by the manufacturer.
- Do not use a hair dryer to dry the inside of the refrigerator. Do not place a lighted candle in the refrigerator for removing bad odors.
  - This may result in electric shock or fire.
- Do not touch the inside walls of the freezer or products stored in the freezer with wet hands.
  - This may cause frostbite.
- Do not use mechanical devices or any other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.

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- This product is intended only for the storage of food in a domestic environment.
- Bottles should be stored tightly together so that they do not fall out.
- If a gas leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.
- Use only the LED Lamps provided by manufacturer or service agents.
- Children should be supervised to ensure that they do not play with and/or climb into the appliance.

- Do not disassemble or repair the refrigerator by yourself.
  - You run risk of causing a fire, malfunction and/or personal injury. In case of malfunction, please contact your service agents.

- If the appliance generates a strange noise, a burning or smell or smoke, unplug the power plug immediately and contact your nearest service center.
  - Failing to do so may result in electric or fire hazards. Keep ventilation opening in the appliance enclosure or mounting structure clear of obstruction.
- If any dust or water is in refrigerator, pull out power plug and contact your Samsung Electronics service center.
  - There is a risk of fire.
- Replacing the LED Lamp

  When the interior or exterior LED lamp has gone out, please contact your service agents.
- Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops).
- Do not install this appliance in a location where gas may leak.
  - This may result in electric shock or fire.
- Plug the power plug into the wall socket in the right direction so that the cord runs towards the floor.
  - If you plug the power plug into the socket in the opposite direction, the electric wires within the cable may be damaged and this may result in electric shock or fire.
- Install your appliance on a level and hard floor that can support its weight.
  - Failing to do so may result in abnormal vibrations, noise, or problems with the product.

⚠ CAUTION SIGNS FOR USING

- If the refrigerator is disconnected from the power supply, you should wait for at least five minutes before plugging it back in.
- If you will be away for more than three weeks or the refrigerator will not be used for a long period of time, you must empty and clean the refrigerator and pull out the power plug. Wipe excess moisture from the inside and leave the doors open.
  - Otherwise, odor and mold may develop.
  - Deterioration in the insulation may cause fire.

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safety information

- To get best performance of product,
  - Do not place foods too closely in front of the wall at the rear of the appliance as it can obstruct free air circulation in the refrigerator compartment.
  - Wrap the food up properly or place it in airtight containers before put it into the refrigerator.

⚠ CAUTION SIGNS FOR USING (CONT'D)

- Do not re-freeze frozen foods that have thawed completely.
- Do not place carbonated or fizzy drinks in the freezer compartment. Do not put bottles or glass containers in the freezer.
  - When the contents freeze, the glass may break and cause personal injury and property damage.
- Do not change the functionality of or modify the refrigerator.
  - Changes or modifications may result in personal injury and/or property damage. Any changes or modifications performed by a 3rd party on this completed appliance is neither covered under Samsung warranty service, nor is Samsung responsible for safety issues and damages that result from 3rd party modifications.
- Please observe maximum storage times and expiry dates of frozen goods.
- Do not place food inside the refrigerator in a haphazard way.
  - The food will not cool properly.

- If the appliance is flooded, cut the power immediately and contact your nearest service center.

⚠ CAUTION SIGNS FOR CLEANING AND MAINTENANCE

- Do not directly spray water inside or outside the refrigerator.
  - There is a risk of fire or electric shock.
- Do not spray inflammable gas near the refrigerator.
  - There is a risk of explosion or fire.
- Do not spray cleaning products directly on the display.
  - Printed letters on the display may come off.

- Remove any foreign matter or dust from the power plug pins. But do not use a wet or damp cloth when cleaning the plug, remove any foreign material or dust from the power plug pins.
  - Otherwise there is a risk of fire or electric shock.

- Unplug the refrigerator before cleaning and performing maintenance.

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⚠ WARNING SEVERE WARNING SIGNS FOR DISPOSAL

- Ensure that none of the pipes on the back of the appliance are damaged prior to disposal.
- R600a or R134a is used as a refrigerant. Check the compressor label on the rear of the appliance or the rating label inside the refrigerator to see which refrigerant is used for your refrigerator. When this product contains flammable gas (Refrigerant R600a), contact your local authority in regard to safe disposal of this product. Cyclopentane is used as an insulation blowing gas. The gases in insulation material require special disposal procedure. Please contact your local authorities in regard to the environmentally safe disposal of this product. Ensure that none of the pipes on the back of the appliances are damaged prior to disposal. The pipes shall be broke in the open space.
- If the appliance contains iso-butane refrigerant (R600a), a natural gas with high environmental compatibility that is, however, also combustible.
  When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.
- When disposing of this product or other refrigerators, remove the door/door seals, door latch so that small children or animals cannot become trapped inside. Leave the shelves in place so that children may not easily climb inside. Children should be supervised to ensure that they do not play with the old appliance.
- Please dispose of the packaging material for this product in an environmentally friendly manner.

ADDITIONAL TIPS FOR PROPER USAGE

- In the event of a power failure, call the local office of your Electricity Company and ask how long it is going to last.
  - Most power failures that are corrected within an hour or two will not affect your refrigerator temperatures. However, you should minimize the number of door openings while the power is off.
  - Should the power failure last more than 24 hours, remove all frozen foods.
- If keys are provided with the refrigerator, the keys should be kept out of the reach of children and not in vicinity of the appliance.
- The appliance might not operate consistently (possibility of temperature becoming too warm in refrigerator) when sited for an extended period of time below the cold end of the range of temperature for which the refrigerating appliance is designed.
- Do not store food which spoils easily at low temperature, such as bananas, melons.
- Temperature rising during the defrost can comply with ISO requirement.
  But if you want to prevent an undue rise in the temperature of the frozen food while defrosting the appliance, please wrap the frozen food in several layers of newspaper.
- Any increase in temperature of frozen food during defrosting can shorten its storage life.

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setting up your refrigerator

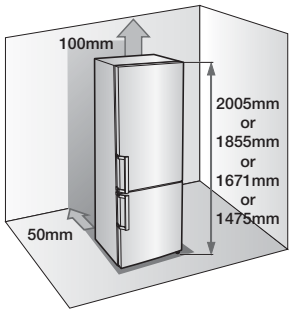
GETTING READY TO INSTALL THE REFRIGERATOR

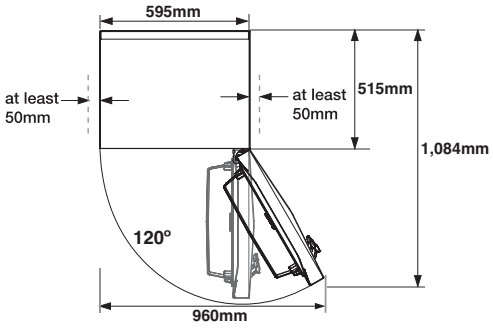
Congratulations on your purchase of this Samsung Refrigerator. We hope you enjoy state-of-the-art features and efficiencies that this new appliance offers.

- This refrigerator must be properly installed and located in accordance with the manual before it is used.
- Use this appliance only for its intended purpose as described in this instruction manual.
- We strongly recommend that any servicing be performed by a qualified individual.
- Please dispose of the packaging material for this product in an environmentally friendly manner.

Selecting the best location for the Refrigerator

- A location without direct exposure to sunlight.
- A location with flat floor surface.
- A location with enough space for the refrigerator door to open easily.
- Allow sufficient space to the right, left, back and top for air circulation.
  If the refrigerator does not have enough space, the internal cooling system may not work properly.
- Please ensure that appliance can be moved freely in the event of maintenance & service.





- Height of the product may be different depending on the models.
- Allow clearance to the right, left, back and top when installing.
  This will help reduce power consumption and keep your energy bills lower.
- Do not install the refrigerator in a place with the temperature lower than 10°C.

CAUTION Pull the unit straight out when installing, servicing or cleaning behind the refrigerator and push it straight back after work is complete.
Make sure your floor can support fully loaded refrigerator.

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setting up your refrigerator

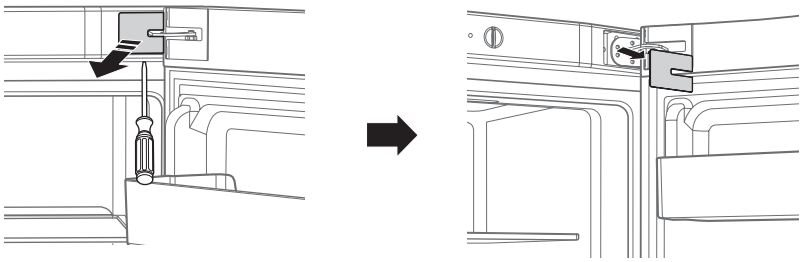
REVERSING THE REFRIGERATOR DOOR

WARNING Before you reverse the refrigerator door, make sure to unplug the refrigerator. If this operation is not performed by After sales service, it is not covered by the warranty.

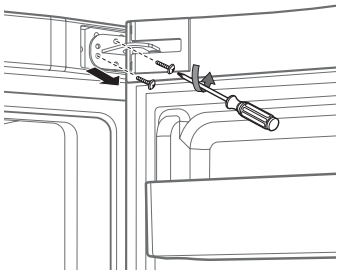
Required Tools

Not provided			
Phillips Head Driver (+)	Flat Head Driver (-)	11mm Wrench (for hinge shaft)	3/16" Allen Wrench (for middle hinge)

1. Remove the Hinge cover on th top of the Fridge door with flat head driver.



2. Remove 2 screws on the Top front cover of the refrigerator.



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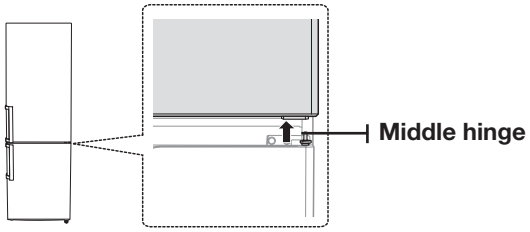
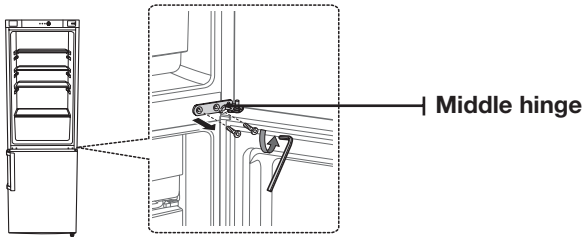
3. Remove the Fridge door from the Middle hinge by carefully lifting the door straight up.

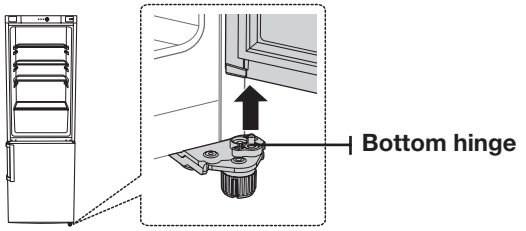


CAUTION Fridge door is heavy, be careful not to injure yourself when removing the Fridge door.

4. Disassemble the Middle hinge by removing 2 bolts.



5. Remove the Freezer door from the Bottom hinge by carefully lifting the door straight up.



CAUTION Freezer door is heavy, be careful not to injure yourself when removing the Freezer door.

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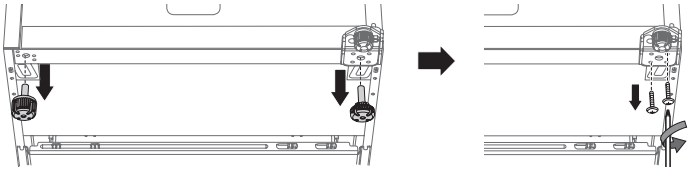
setting up your refrigerator

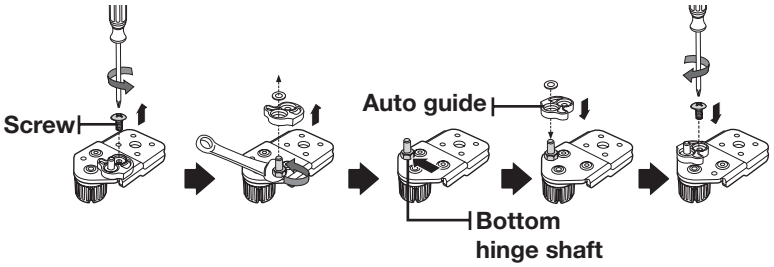
REVERSING THE REFRIGERATOR DOOR(CONT'D)

6. Unscrew the leg front and 2 screws at the Bottom hinge.

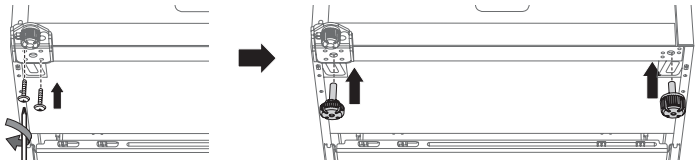


Before removin the Bottom hinge, remove the leg.

7. Switch the position of the Bottom hinge shaft. Remove the screw on the Auto guide and remove the Bottom hinge shaft with 11mm wrench. Attach the Bottom hinge shaft on the left and put the reversed Auto Guide back.



8. Attach the Bottom hinge on the bottom left side of the refrigerator where 2 screws was previously removed in step 8. Screw remaining bolt on the bottom right side of the refrigerator for the future usage.



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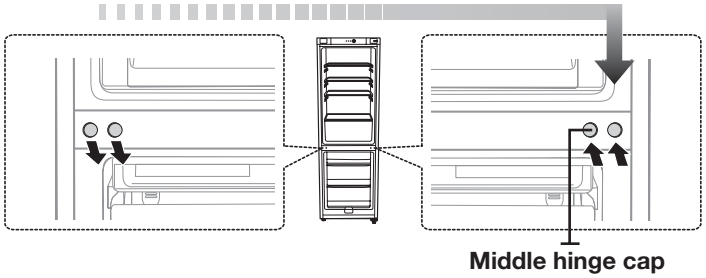
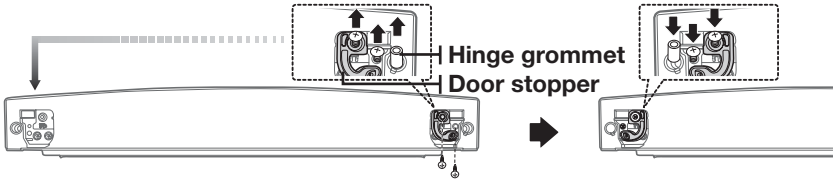
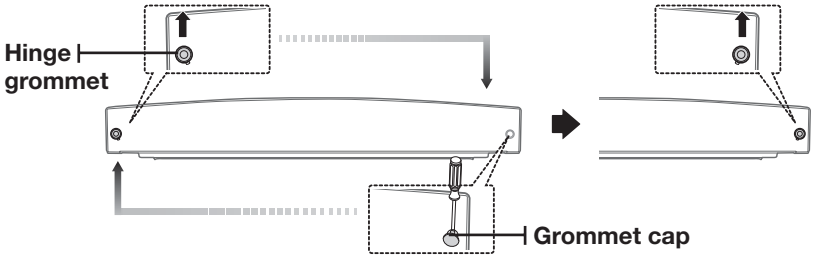
9. Switch the position of the Middle hinge cap, from left to the right side.



10. Remove the screw on the bottom right side of the Freezer door.
Switch the position of the Door stopper and the Hinge grommet and Bracket Stopper door from the right to the left.



11. Switch the Hinge grommet and the Grommet cap on the top of the Freezer door.



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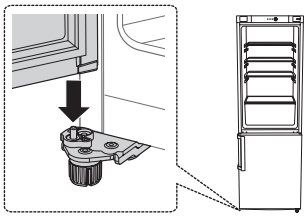
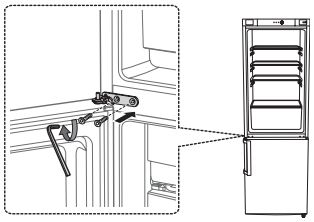
REVERSING THE REFRIGERATOR DOOR(CONT'D)

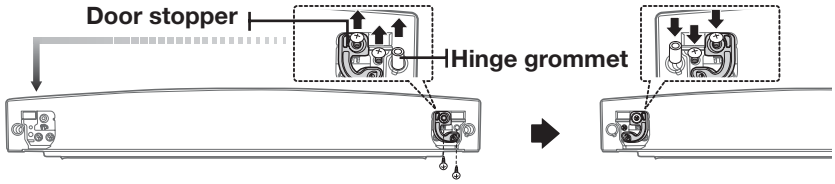
12. Carefully put the Freezer door back on.



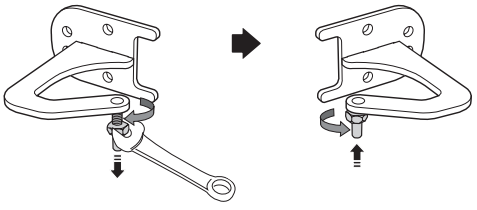
13. Assemble the Middle hinge with 2 bolts on the left side.



14. Remove the screw on the bottom right side of the Fridge door.
Switch the Door stopper and the Hinge grommet and Bracket Stopper door from the left.



15. Use 11mm wrench to separate the Top hinge shaft. Flip the Top hinge and reattach the Top hinge shaft.



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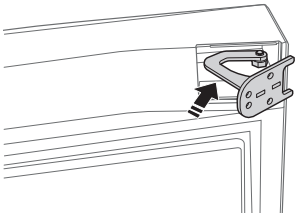
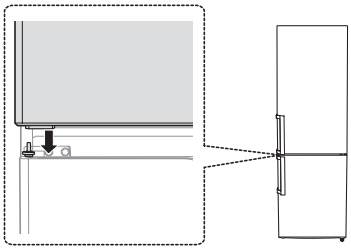
16. Assemble a Top hinge to left side of the Fridge Door.

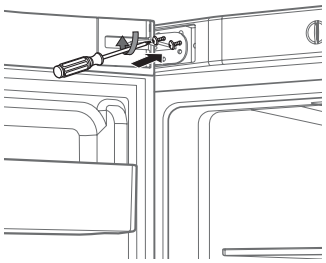


17. Carefully put the Fridge door back on.
Then tighten 3 bolts to assemble the Top hinge.



- You must reverse the Type B door handle before putting the Fridge door back. Please refer to page 21.
- For Door handle Type A, make sure to switch the door handle after reversing the door.

18. Assembly the Fridge Door to the top of the Ref.



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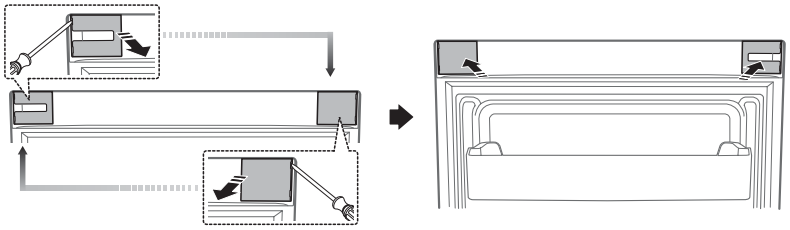
setting up your refrigerator

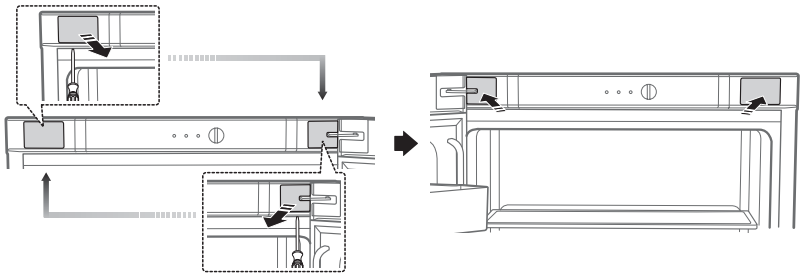
REVERSING THE REFRIGERATOR DOOR(CONT'D)

19. Switch the side of the Door cap on the top of the Fridge door.



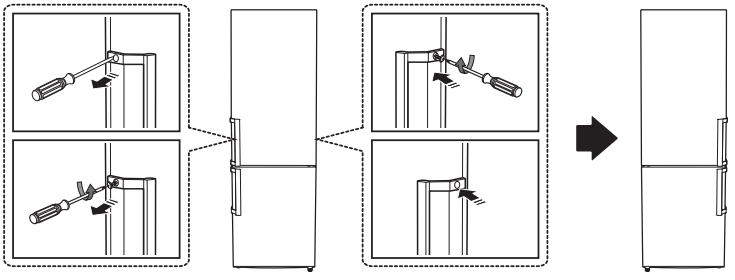
Make sure that red tape on the wire is positioned on the end of the Top left hinge cover.

20. Switch the side of the Display cover Cap.



- After reversing the doors, make sure the Fridge and Freezer door gaskets are properly arranged. If not, there might be a noise or dew formed which affects perfomance of the refrigerator.

21. Take off the handle cover and remove the screws, make sure to attach the caps and the handle at the right side of the door.(Make sure to cover the right side with detached caps.) caps and the handle from the right to left side of the door.



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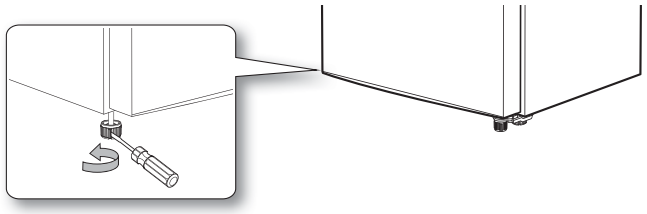
LEVELING THE REFRIGERATOR

If the front of the appliance is slightly higher than the rear, the door can be opened and closed more easily.
Turn the adjusting legs clockwise to raise and counter-clockwise to lower the height.

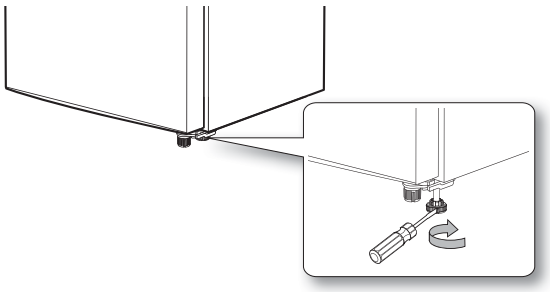
Case 1) The appliance tilts down to the left.

- Turn the left adjusting leg in the direction of the arrow until the appliance is level.



Case 2) The appliance tilts down to the right.

- Turn the right adjusting leg in the direction of the arrow until the appliance is level.



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setting up your refrigerator

SETTING UP THE REFRIGERATOR

Now that you have your new refrigerator installed and in place, you are ready to set up and enjoy the full features and functions of the appliance.
By completing the following steps, your refrigerator should be fully operational.
If not, first check the power supply and electricity source or try the troubleshooting section at the back of this user manual. If you have any further questions, contact your Samsung Electronics service center.

1. Place the refrigerator in an appropriate location with reasonable clearance between the wall and the refrigerator. Refer to installation instructions in this manual. (Refer to page 11)
2. Once the refrigerator is plugged in, make sure the interior light comes on when you open the doors.
3. Set the temperature control to the coldest temperature and wait for an hour. The refrigerator should get slightly chilled and the motor should run smoothly.
4. After powering the refrigerator, it will take a few hours to reach the appropriate temperature. Once the refrigerator temperature is sufficiently cool, you can store food and drink in the refrigerator.

Saving Energy Tips

- Install the appliance in a cool, dry room with adequate ventilation.
  Ensure that it is not exposed to direct sunlight and never put it near a direct source of heat (radiator, for example).
- Never block any vents or grilles on the appliance.
- Allow warm food to cool down before placing it in the appliance.
- Put frozen food in the refrigerator to thaw.
  You can then use the low temperatures of the frozen products to cool food in the refrigerator.
- Do not keep the door of the appliance open for too long when putting food in or taking food out.
  The shorter time for which the door is open, the less ice will form in the freezer.
- Clean the rear of the refrigerator regularly. Dust increases energy consumption.
- Do not set temperature colder than necessary.
- Ensure sufficient air exhaust at the refrigerator base and at the back wall of the refrigerator.
  Do not cover air vent openings.
- Allow clearance to the right, left, back and top when installing.
  This will help reduce power consumption and keep your energy bills lower.

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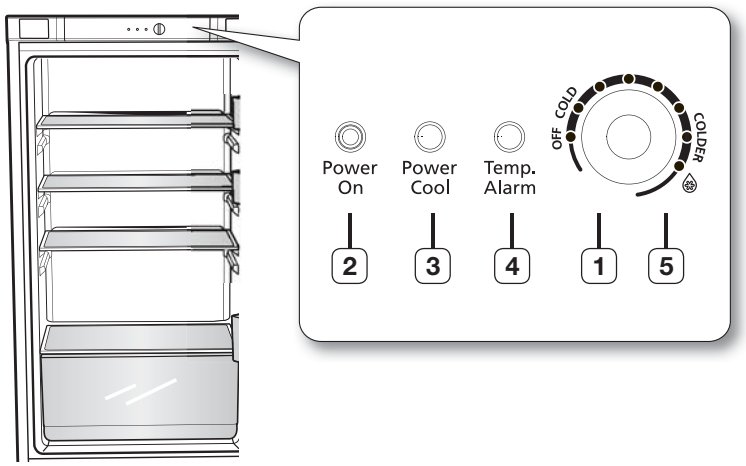
operating your refrigerator

CHECKING THE CONTROL PANEL



1 **Fridge**	You can set the desired temperature of the fridge from 1°C to 6°C.
2 **Power on**	When the unit is turned on, this lamp will be lit.
3 **Power Cool**	When this function be working on, this lamp will be lit.
4 **Temp. Alarm**	If the temp. inside refrigerator be strange, This lamp will be lit.
5 **Power Cool**	The unit will be activated for 150 minutes in the Power cool mode.

When starting the unit at first, the unit will be activated for 180 minutes in the power cool mode

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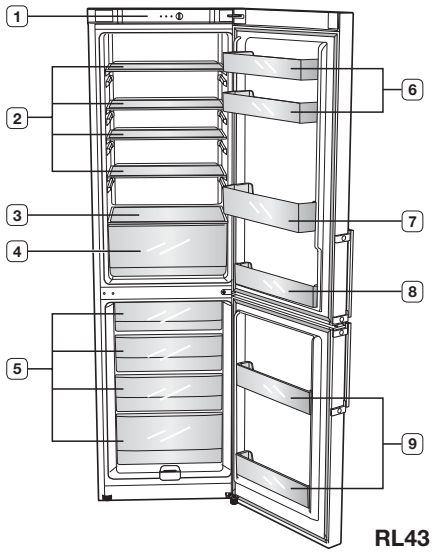
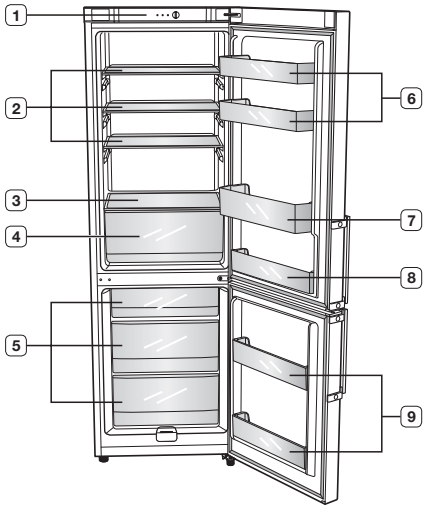
operating your refrigerator

STORING FOOD

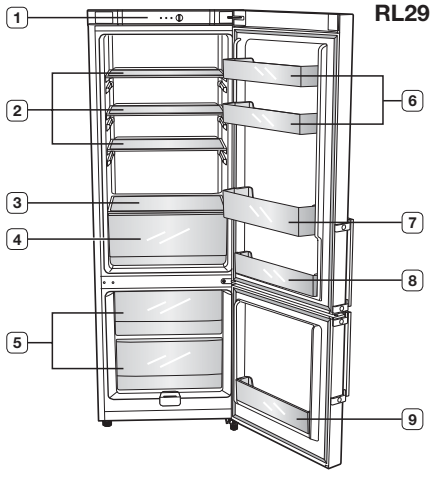
The Samsung Refrigerator has been designed to provide you with maximum space saving features and functions. Here are some of the customized compartments we have created to keep your food fresher, longer. Remember, in order to prevent odor penetration, stored food should be wrapped securely and as airtight as possible.



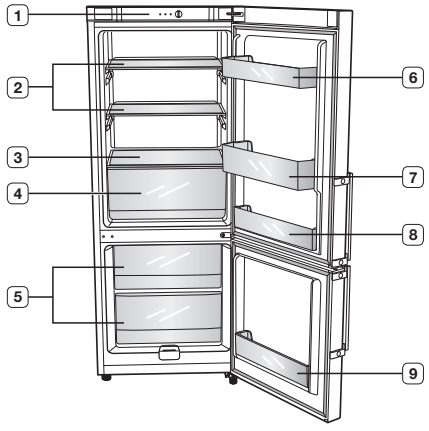
RL43



RL39



RL29



RL23

To get the best energy efficiency of this product, please leave all selves, drawers and baskets on their original position like as above illustration.

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1 Control Panel	Reference page 21.
2 Glass Shelf	Shelves made out of glass are easy to clean and easy to see what is stored in the refrigerator. These shelves are designed to be crack-resistance and they can be used to store all types of food and drinks.
3 Cover Veg.	
4 Case Veg.	Best place to keep eggs. Place the Egg tray on the shelf to keep the eggs safely and access easily. Used to preserve the freshness of your stored vegetables and fruits. Photosynthetic fresh LED(optional) keeps vegetables and fruits fresh for a longer time.
5 Upp/Mid/Upp/Low	Best used to store packed frozen foods such as ice cream, bacon and pizza. Best used to store fresh meats, fish or dry foods. Stored food should be wrapped securely with foil or other suitable wrapping material or containers.
6 Upper door tray	Can be used to store foods in packages, such as milk and yogurt and beverage
7 Bottle door tray	Designed for Kids to reach comfortably. Best used to store milk, yogurt and juice for Kids. Designed to handle large or bulky items such as large bottles and containers.
8 Lower door tray	Can be used to store foods in packages, such as milk and yogurt and beverage
9 Door tray	Can be used to store the small item. Stored food should be placed in a container or wrapped securely using plastic wrap or other suitable wrapping materials.

Bottles should be stored tightly together so that they do not tip and fall out when the refrigerator door is opened.

WARNING If you plan a long vacation, empty the refrigerator and turn it off. Wipe excess moisture from the inside and leave the doors open. Otherwise, odor and mold may develop.

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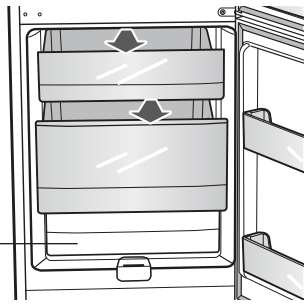
operating your refrigerator

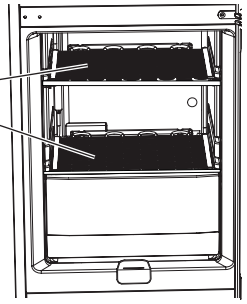
STORING FOOD

To get more space, you can remove drawers except the low drawer as following picture.
It does not affect thermal and mechanical characteristics.
A declared storage volume of frozen food storage compartment is calculated with these drawers removed.



WARNING Do not touch the Evaporator with wet hands.

- Stacking of products on the freezer shelves is acceptable.



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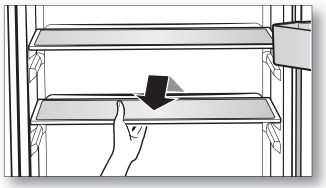
cleaning and maintaining your refrigerator

REMOVING THE INTERIOR PARTS

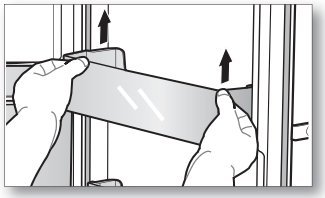
Shelves

Gently lift up the shelves with both hands and pull it toward you.
(Glass shelf/Foldable shelf)



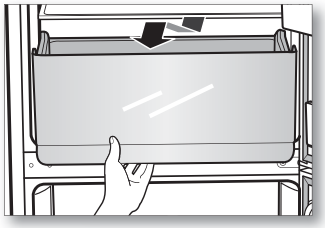
Door guards

Firmly grab the door guards with both hands and lift it up gently to remove the door guards.



Drawers

Pull the drawers out fully then slightly lift it up to remove the drawers.
(Fresh safe drawer / Cool select zone drawer / Cooler zone drawer / Freezer Drawers)



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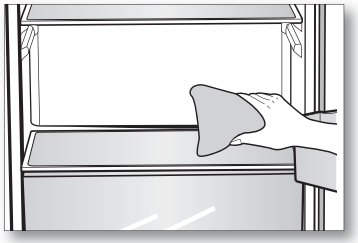
CLEANING THE REFRIGERATOR

Caring for your Samsung Refrigerator prolongs the life of the product and helps keep it from odor and germs.

Cleaning the Interior

Clean the inside walls and interior parts with a mild detergent and then wipe it with dry soft cloth. You may remove the drawers and shelves for a more thorough cleaning.

Make sure to dry them before putting them back into place.

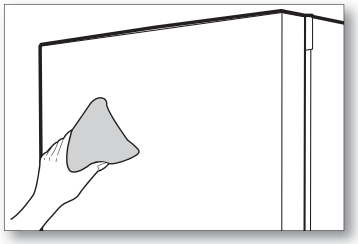


Cleaning the Exterior

Wipe the control panel and display panel with a clean, soft cloth.

Spray water onto the cleaning cloth instead of spraying directly on the surface of the refrigerator to ensure even distribution of moisture on the surface. Doors, handles and cabinet surfaces should be cleaned with a mild detergent and then wiped with a dry soft cloth.

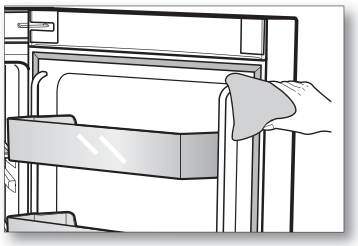
To keep your appliance looking its best, the exterior should be polished once or twice a year.



WARNING Do not use Benzene, Thinner or Clorox™ for cleaning.
They may damage the surface of the appliance and can create a risk of fire.

Cleaning the Rubber door seals

If the rubber door seals are dirty, doors may not close properly and the refrigerator will not operate efficiently.
Keep the door seals free of grit or grime by cleaning the doors with a mild detergent and damp cloth. Wipe dry with a clean, soft cloth.



CAUTION

- Do not spray the refrigerator with water while it is plugged in, as it may cause an electric shock. Do not clean the refrigerator with benzene, thinner or car detergent for risk of fire.
- You may remove the rubber door seal from the door to clean it. Make sure that you put the rubber door seal back correctly or the refrigerator will not operate efficiently.

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appendix

TROUBLESHOOTING

PROBLEM	SOLUTION
The appliance is not operating at all or the temperature is too high.	• Check if the power plug is correctly connected. • Is the temperature control on the front panel correctly set? • Does sun shine on the appliance or are there any heat sources nearby? • Is the back of the appliance too close to the wall? • If you select the OFF on the control Panel, Compressor does not work.
The food in the refrigerator is frozen.	• Is the temperature control on the front panel set to the coldest temperature? • Is the surrounding temperature too low?
There are unusual noises.	• Check if the appliance is installed on a stable and even floor. • Is the back of the appliance too close to the wall? • Have any foreign objects fallen behind or under the appliance? • Is the noise coming from the compressor in the appliance? • A ticking sound occurs when the various accessories contract or expand.
The front corners and sides of the appliance are warm and condensation starts to form.	• Heat-proof pipes are installed in the front corners of the appliance to prevent condensation from forming. When the surrounding temperature rises, this may not always be effective. However, this is not abnormal. • In very humid weather, condensation may form on the outer surface of the appliance when the moisture in the air comes into contact with the cool surface of the appliance.
You can hear a liquid bubbling in the appliance.	• This is the refrigerant, which cools the inside of the appliance.
There is a bad smell inside the appliance.	• Is there any spoiled food inside of the refrigerator? • Make sure that strong smelling food (for example, fish) is wrapped so that it is airtight. • Clean out your refrigerator periodically and throw away any spoiled or suspect food.
There is a layer of frost on the appliances walls.	• Are the air outlet vents blocked by food stored inside the refrigerator? • Space the food out as much as possible to improve ventilation. • Is the door fully closed?
Condensation forms on the inside wall of the appliance and around vegetables.	• Food with a high water content is stored uncovered with a high humidity level or the door has been left open for a long time. • Store the food with a cover or in sealed containers.

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Ambient Room Temperature Limits

This refrigerator is designed to operate in ambient temperatures specified by its temperature class marked on the rating plate.

Class	Symbol	Ambient Temperature range (°C)
Extended Temperate	SN	+10 to +32
Temperate	N	+16 to +32
Subtropical	ST	+16 to +38
Tropical	T	+16 to +43

Internal temperatures may be affected by such factors as the location of the refrigerator, ambient temperature and the frequency with which you open the door. Adjust the temperature as required to compensate for these factors.

English

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

COUNTRY	CALL	Web site
AUSTRALIA	1300 362 603	www.samsung.com/au
COLOMBIA	01-8000112112	www.samsung.com.co
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